

1/10

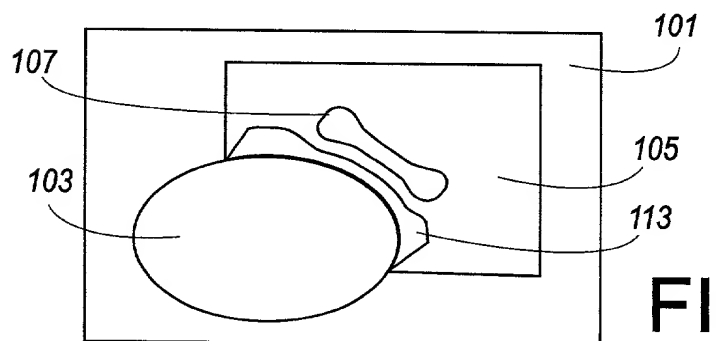
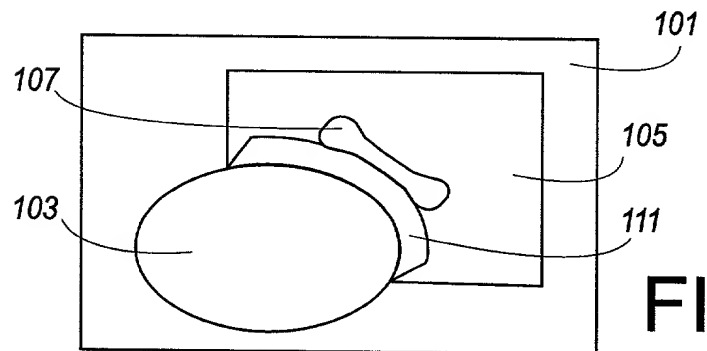
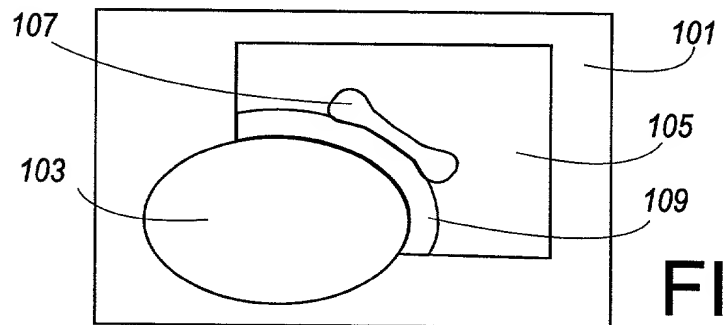
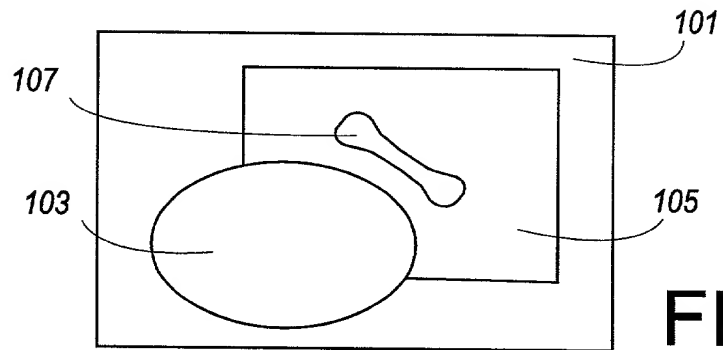


FIG. 1A: A schematic diagram of a device 101. It features a rectangular frame 107 containing a large oval component 103. A bone-like structure is positioned above the oval. A rectangular region 105 is located to the right of the oval.

FIG. 1B: A schematic diagram of the device 101, similar to FIG. 1A but with an additional component 109. Component 109 is a rectangular block positioned between the oval component 103 and the rectangular region 105.

FIG. 1C: A schematic diagram of the device 101, similar to FIG. 1B but with an additional component 111. Component 111 is a curved, hook-like structure positioned between the oval component 103 and the rectangular region 105.

FIG. 1D: A schematic diagram of the device 101, similar to FIG. 1C but with an additional component 113. Component 113 is a small rectangular block positioned between the oval component 103 and the rectangular region 105.

2/10

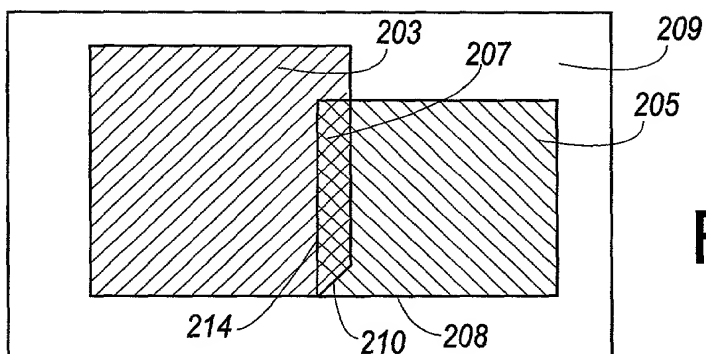


FIG. 2A

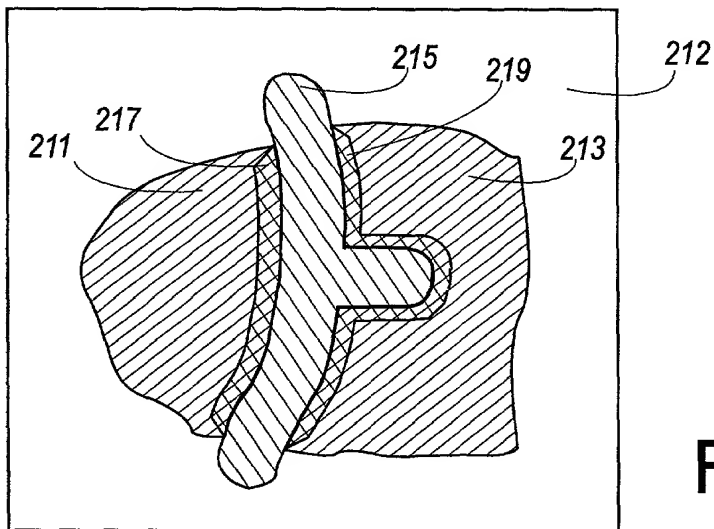


FIG. 2B

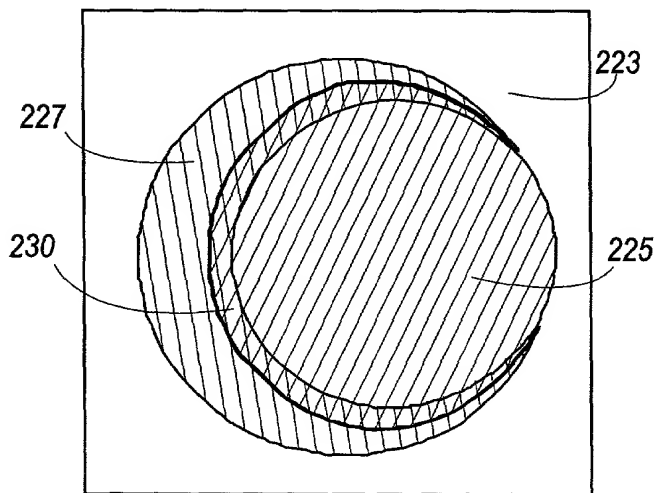
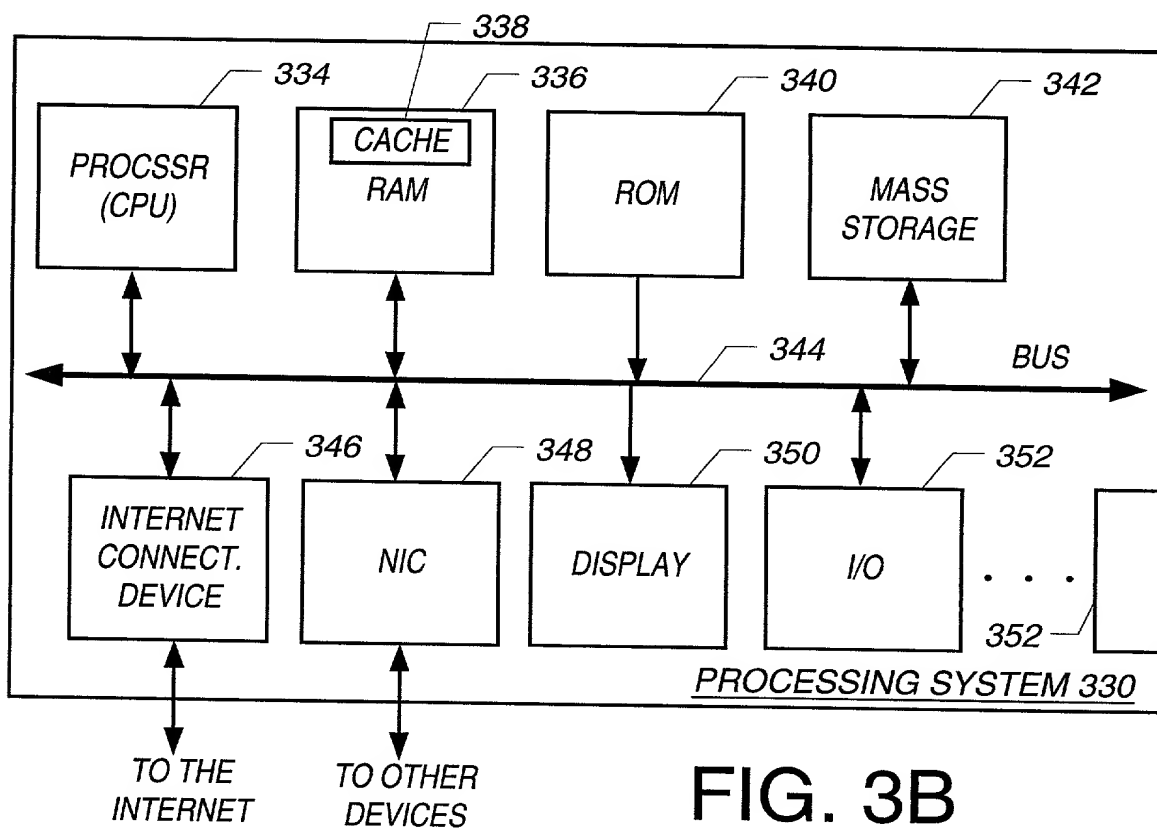
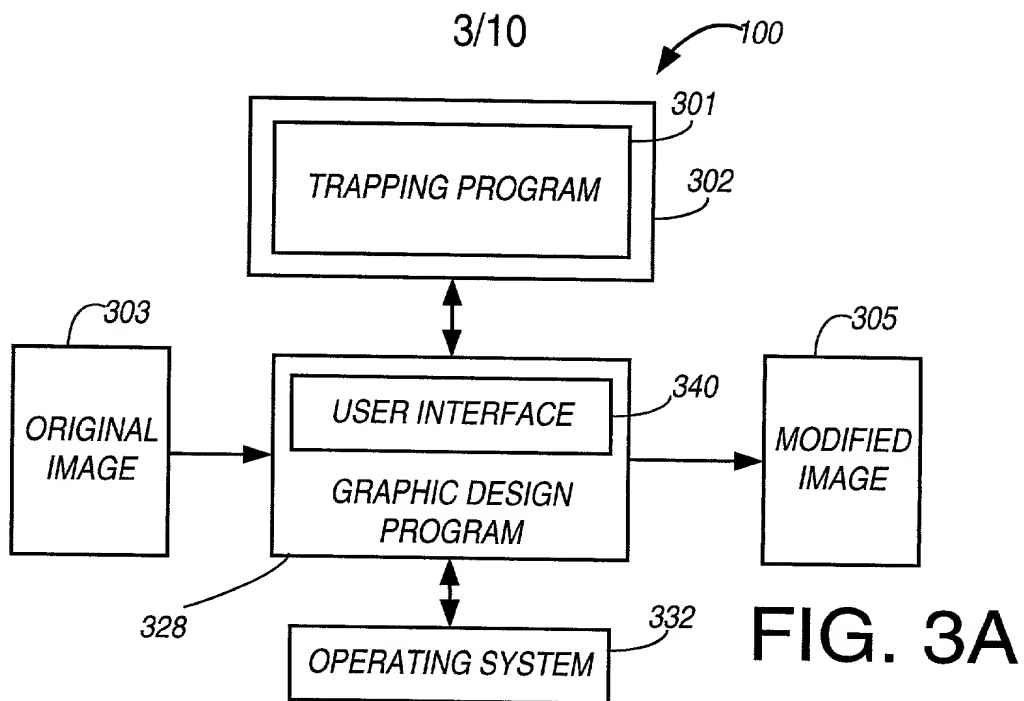


FIG. 2C



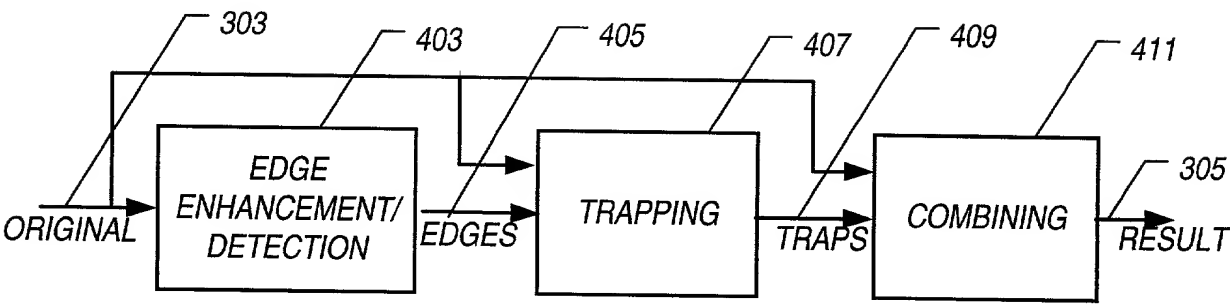


FIG. 4

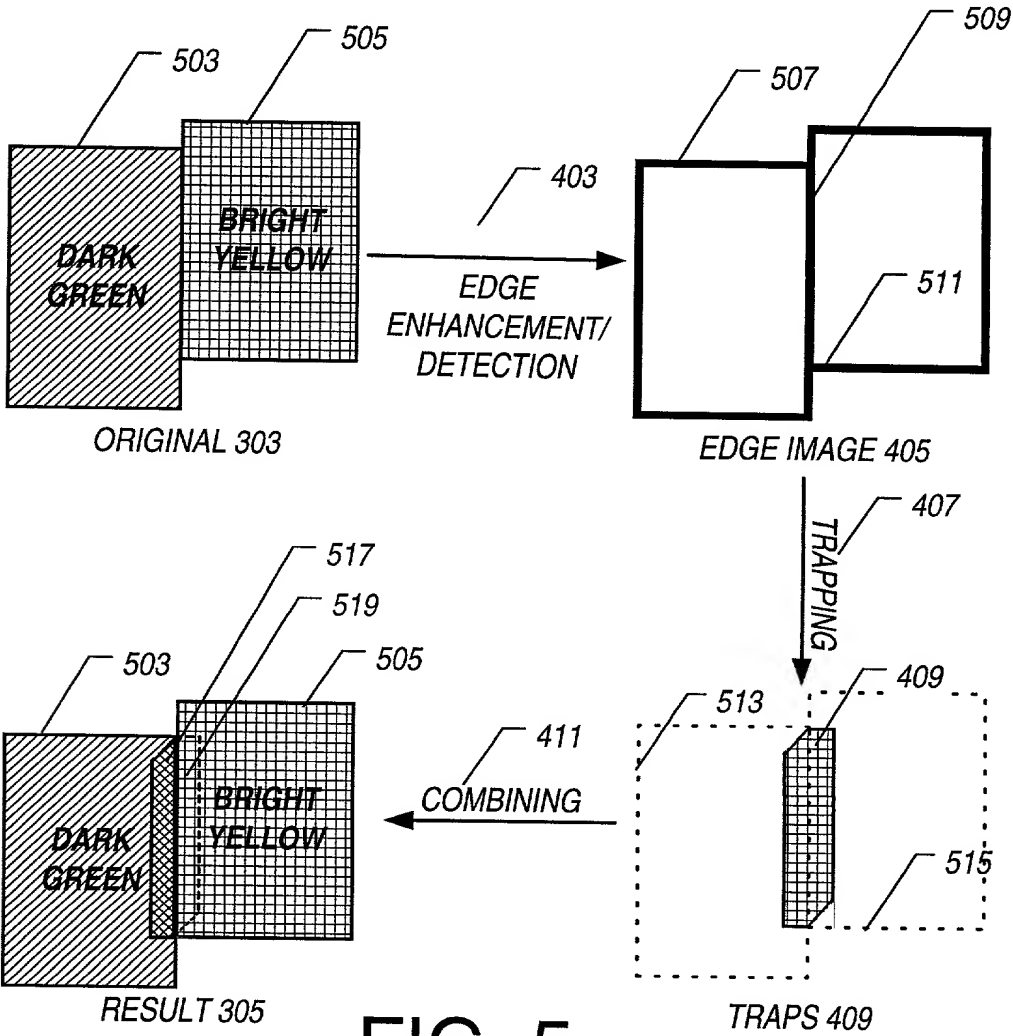
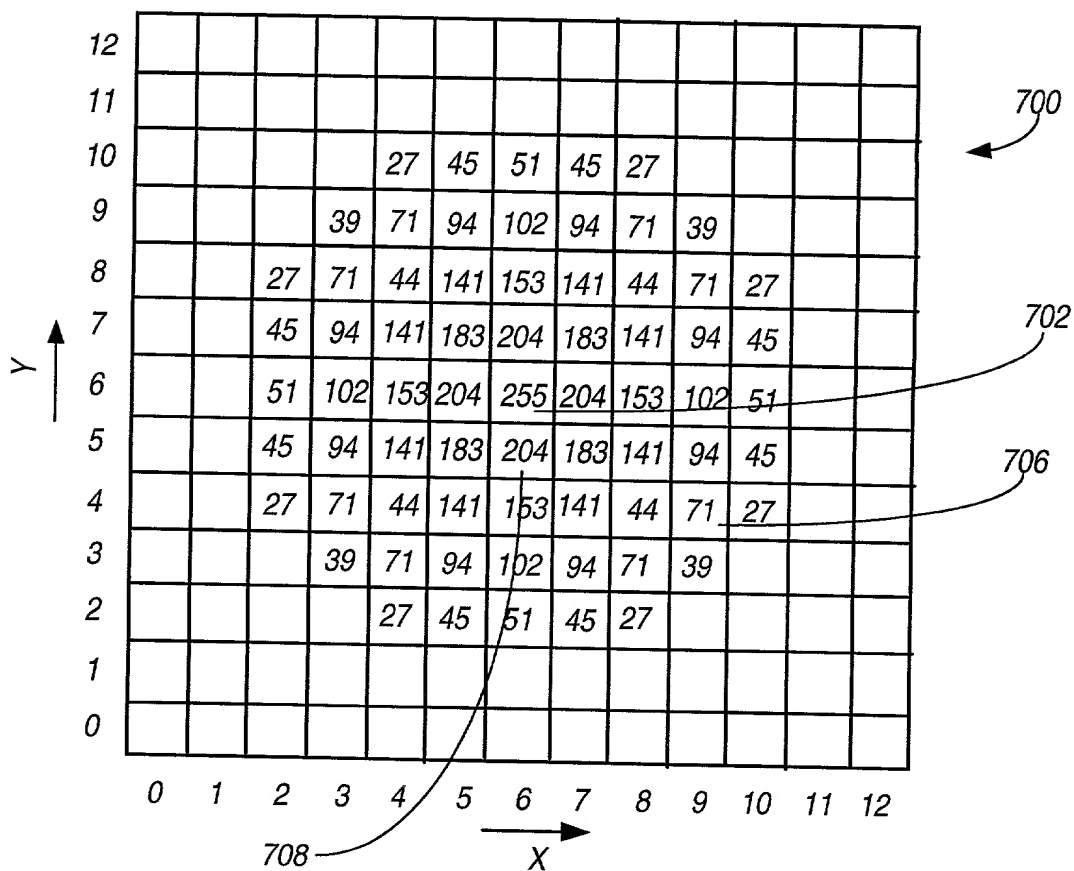
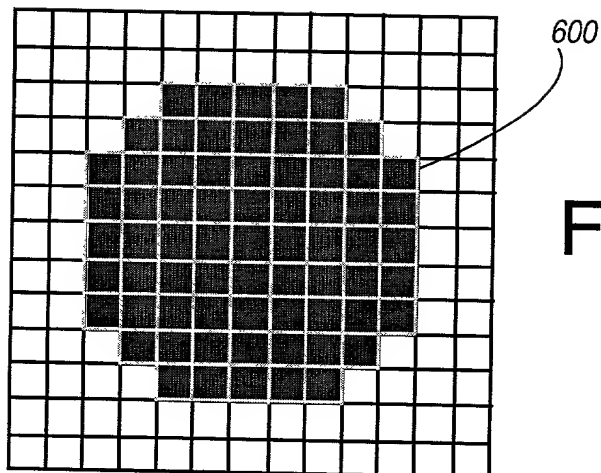


FIG. 5

5/10



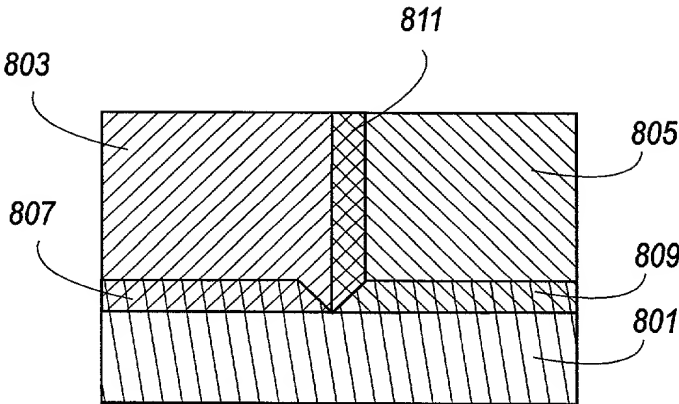


FIG. 8

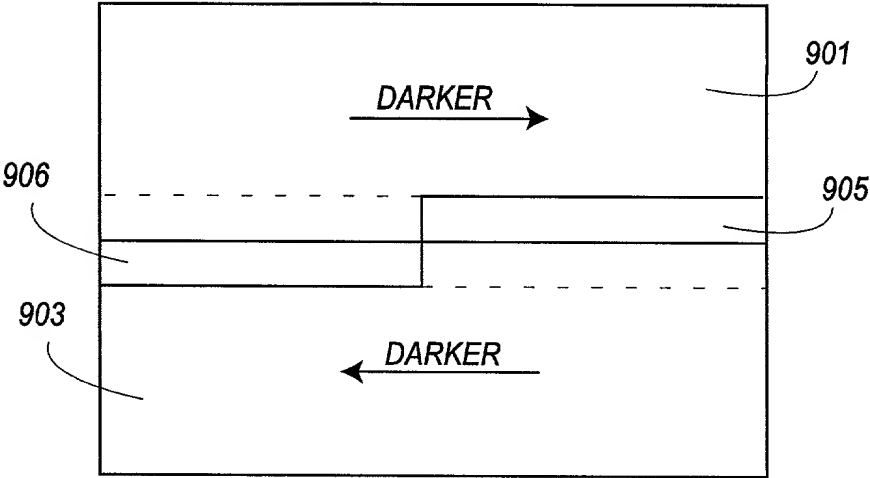
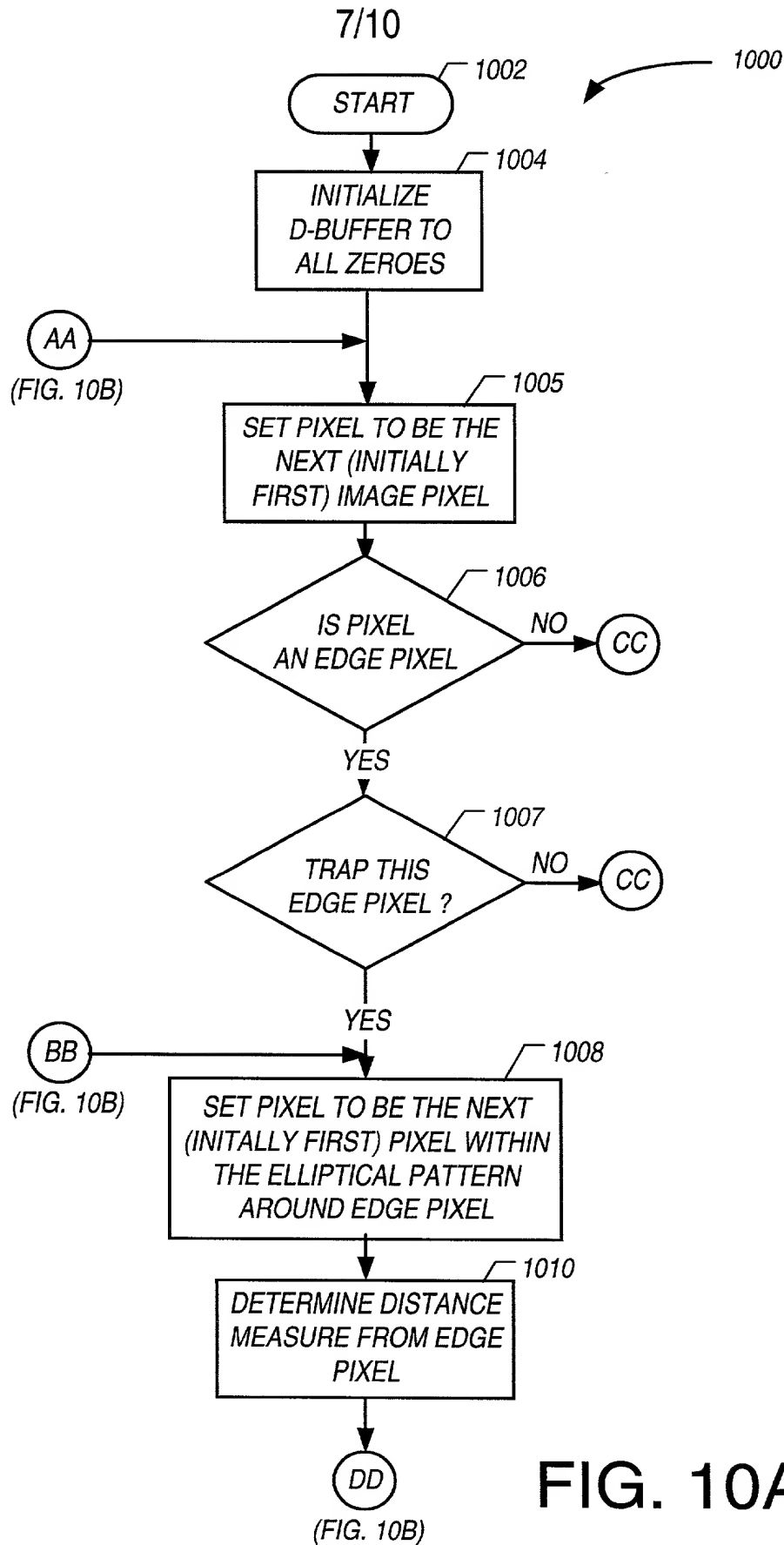
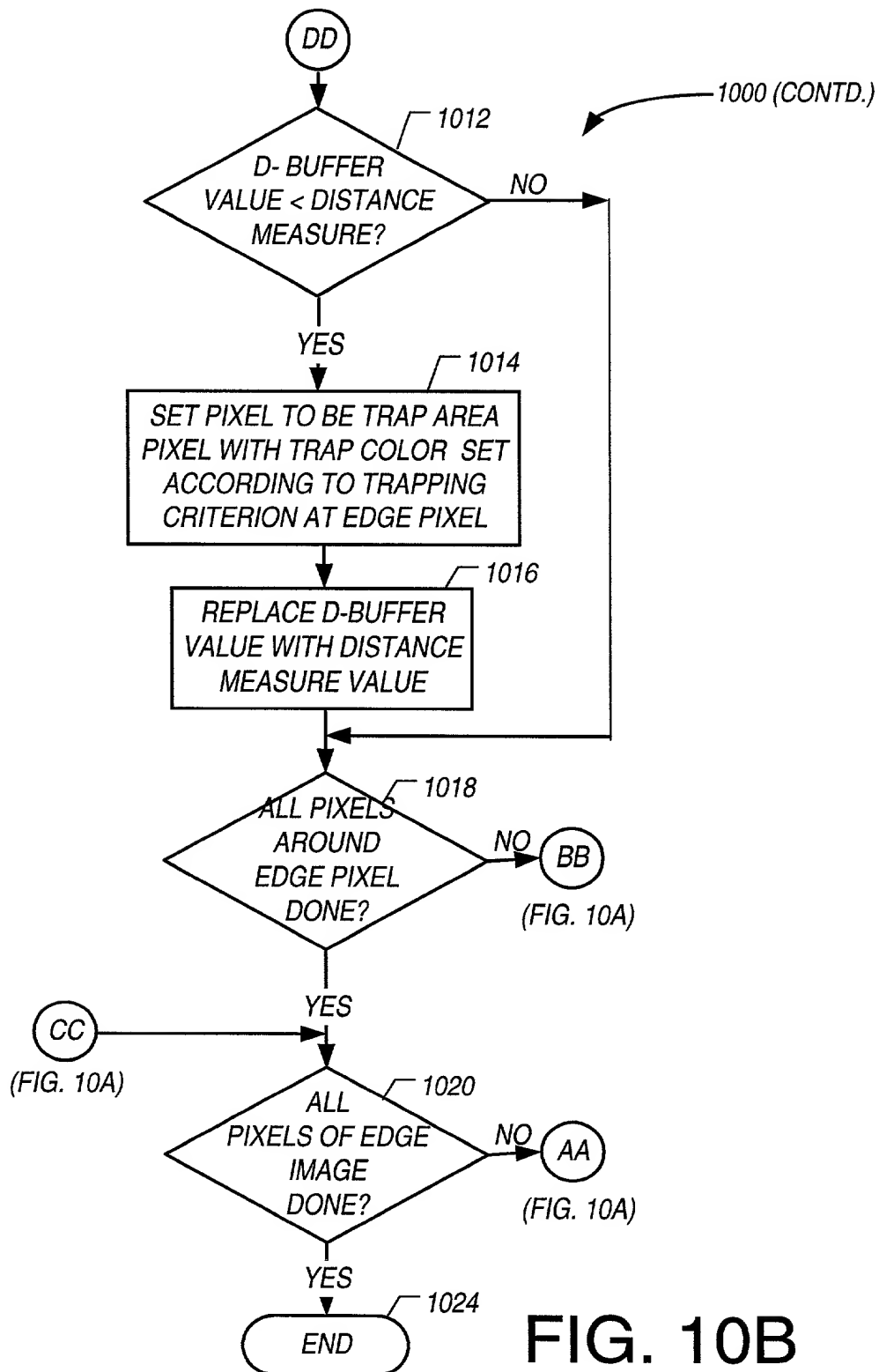


FIG. 9



8/10





9/10

- ENHANCE EDGES OF AN ORIGINAL IMAGE TO FORM AN EDGE IMAGE COMPRISING A SET OF ENHANCED PIXELS;
- INITIALIZE STORED DISTANCE MEASURE MEMORY (D-BUFFER) FOR ALL PIXELS;
- FOR EACH ENHANCED PIXEL IN EDGE IMAGE,
- BEGINFOR
  - IF PIXEL IS AN EDGE PIXEL AS DETERMINED BY COMPARING THE PIXEL OF EACH SEPARATION TO A THRESHOLD
  - BEGINIF
    - APPLY TRAPPING CRITERION TO DETERMINE IF EDGE PIXEL IT TO BE TRAPPED;
    - IF EDGE PIXEL IS A TRAPPED EDGE PIXEL
    - BEGINIF
      - DETERMINE COLOR OF TRAP;
      - FOR EACH SEPARATION FOR EACH PIXEL IN SEPARATION WITHIN THE TRAPPING DISTANCE OF THE TRAPPED EDGE PIXEL
      - BEGINFOR
        - DETERMINE DISTANCE MEASURE OF THE PIXEL TO THE TRAPPED EDGE PIXEL;
        - COMPARE DETERMINED DISTANCE TO THE D-BUFFER STORED DISTANCE MEASURE FOR THE PIXEL;
        - IF DISTANCE MEASURE COMPARISON INDICATES PIXEL IS CLOSER THAN OTHER EDGES (STORED D-BUFFER VALUE)
        - BEGINIF
          - MAKE PIXEL A TRAP PIXEL/IMPOSE TRAP COLOR;
          - STORE DETERMINED DISTANCE MEASURE IN THE STORED DISTANCE MEASURE MEMORY FOR THE PIXEL;
        - ENDIF;
      - ENDFOR
    - ENDIF
  - ENDIF
- ENDFOR
- COMBINE TRAPS WITH ORIGINAL IMAGE;

FIG. 11

10/10

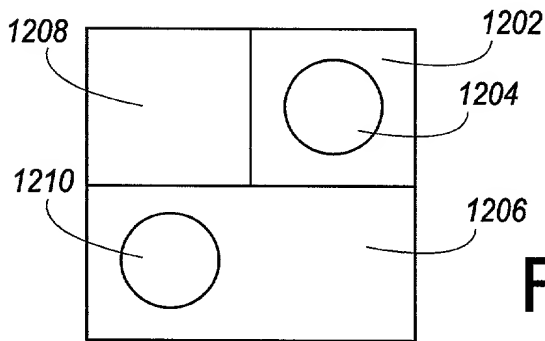


FIG. 12A

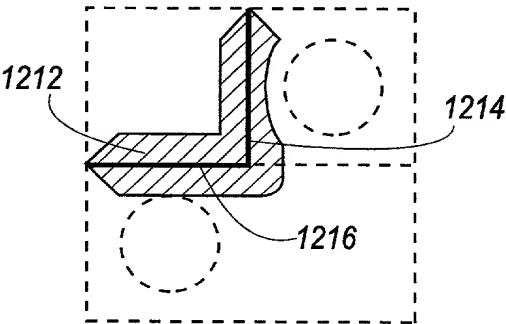


FIG. 12B

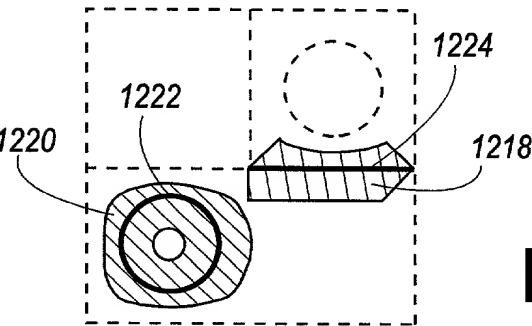


FIG. 12C

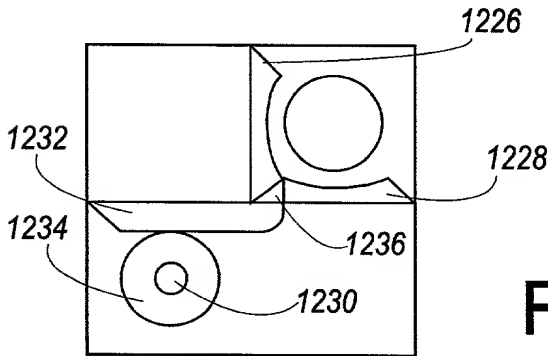


FIG. 12D